

Figure 1

SEQUENCE ID NO. 1

-2400 CTGCATTATTTGCCCTTGATCCAGCCTGGGAGAAGTCAGGATAGACTTTGGGCTGCTTGGCCCTGGAGGCAGCTTGAGCT
-2320 GGGACTGGGGTGGGGGGCTCCTGAGGGGCTGCCTAGGACACTGCAGCTTTTGTGCCTTCTCCCTGCTGCCAACACCCCCA
-2240 CACACACTGCTGCAGCCACTCTAAAGCCCTTTGTCTTTCATTGCTTTAGTCACCCCTTTGTCTCATCTCAAATAGGGGA
AP-1
-2160 GTGGAAAGGGGCAGTAGAGTTCTCTGGTGATAGCTCCTCTTGCCCCCTGCCCTTCTGGTCTCCACCTTTGTCCGACTC
-2080 CTCTAGTCCCAGCCCCGTTGGCTTAGAACCAGGGTCAGGCAAGTGGTGGGTCAAGAGGTGGGTCTGGCAGTCACAAGGGG
-2000 GTGGGTGATCCAGGAAGTGATAGGCACCAGGGCAGGTATTACCGACCTGAGCAGGAAGGGAGGGGAAAGGAAGTATTCT
-1920 GACGGATATGATATGCGGGGGACAGGAGGTGACAAAGCAGAGTGAATAGGGGAATAGAGGCAAGAGGAGGTGGTCCACTT
-1840 CTGGGAAAGGAAAGAGACTGCTGACTGCACTCTCCTTCTGGGGATTTCCTGGGGAAACAAGCAGCCAGAGGATGGGGTG
STAT3 **NFkB**
-1760 AGCAGAAATTGCCCCTACTTCTGAACCCTTCCTTGCCTTGAGAGTTCATACCCAAGACCTCTTTCCGAGTTCCCTCCTA
-1680 TCCAAAGCCAAAGGAATAATTTGCTTCCTTTCCCTAACACCACCTCTTCTCTCCCAGCCACTTTCCCCACCCAGGCAAT
-1600 GGATTTCTCCCAGTACCCTAATTTCCCTATATGCACAATGCTGTCTCCACCCTCTCCCTGCCCCAGGGAGAATTAAAAAG
-1520 AAAAGATGACTAGATATTCCAGGAACCACTGGGTTCTCAGAGCAAGTGGGGTGGATGGTGGGAGCCAGGTGGGGATTCT
NFkB
-1440 CCCAGATTGATACTGGGTGAATCTGGGTTCTGAGAGCAAGTCTTGCCATATGCTGGGGGCTGGCTGACTTGAGGCTGGGG
-1360 GAGGGTTTAGGGCAGTTGGGAGTGGGTAGGAGCAGGGCCAAAAGCCTGGGGGAAGCTACTGGGAGCTGGGCCAGGGAAAT
-1280 GGGGAGTCAGGAAGTGGGGAGGGGGAACCCTGGGGGGAATGGAGCGGAATGGCTGTTCTGGGCTTTGGAGGGGGTGGG
-1200 TAGTGGTAACCTCAGGAAGGGGGATCCTGAGGGAGAGAAGGGACGTTAGAAAAGAGGAGGTGCCACCCTGGATCCGCCTTC
-1120 TATAAAAGGAAAAGTCGTTAACCCTCCTGCCTTGTCATCTGCCGCTCTGTTATGTTTCATTCCAAGCAGGATCATCCTA
TATA
-1040 CCTTTGGGCAGTCAACTCCCTGATCACTGTCTCCTTGCCCTCCCCAATGTTCTGCCTTTTTTACTCTTCCCAGCTGCTCA

CCAAT

-960 GTTCTATCCTGAGCCATGTCAAGCTACCTCTTTTATTTGTTCTTCCCTCTTGATGCCTCCTTACCTGTTCCCTACCCTCT
-880 TTTCTCAGGCAGCTCACTCAGTCCCCTCAGCCCTTGGAAACCAGCCACTAGGGCCAAAGGGCAGCATGAGGGAGCCTTGAG

NF1

-800 AAAAGAGAAGCCATGGTAGGTTAGACTATAAGAGCAGGAATTCTCCAGGACCGTGATCCTATCTGTGCATGCCGGCCAG
-720 GCCCTTTCCCTCACTCTCTGCCTCTCCTGGGGCTCTGTCCCACCAAAAAGGGAAGAGACAGCTGAGGGCTGATTGTGGG
-640 GTTTGGGAAAAGGCTATGTCATCAGCTGGCCCAGTGCCTATTATCCATTGGCTGCTAGAGATTCCCTCCCTTGGGCAA

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-560 GTCCCATTTTTTTGGGAAGCGATGATACCCCATCTGAGTCCCACCGACAGAGCTCAGCTGAGTGGCTTAGAGATCAGCC
-480 AATCAATCGCAGAGGCTCACCATGCTTAAAAGAGCTGGCGGGAGAGAGGCTGGGGAGAACCACAGGGAGACCCACAGA

CCAAT

-400 CACATATGCACGAGAGAGACAGAGGAGGAAAGAGACAGAGACAAAGGCACAGCGGAAGAAGGCAGAGACAGGGCAGGCAC
-320 AGAAGCGGCCCAGACAGAGTCTCTACAGAGGGAGAGGCCAGAGAAGCTGCAGAAGACACAGGCAGGGAGAGACAAAGATCC
-240 AGGAAAGGAGGGCTCAGGAGGAGAGTTTGGAGAAGCCAGACCCCTGGGCACCTCTCCAAGCCCAAGGACTAAGTTTCT
-160 CCATTTCTTTAACGGTCTCAGCCCTTCTGAAAACCTTGCCTCTGACCTTGGCAGGAGTCCAAGCCCCCAGGCTACAGA
-80 GAGGAGCTTTCCAAAGCTAGGGTGTGGAGGACTTGGTGGCCTAGACGGCCTCAGTCCCTCCAGCTGCAGTACCAGTGCC
+1 ATG

SEQUENCE ID NO. 2

-2000 GTGGGTGATCCAGGAAGTGATAGGCACCAGGGCAGGTATTACCGACCTGAGCAGGAAGGGAGGGGGAAAGGAAGTATTCT
-1920 GACGGATATGATATGCGGGGACAGGAGGTGACAAAGCAGAGTGAATAGGGGAATAGAGGCAAGAGGAGGTGGTCCACTT
-1840 CTGGGAAAGGAAAGAGACTGCTGACTGCACTCTCCTTCTTGGGGATTTCCTTGGGGAACAAGCAGCCAGAGGATGGGGTG

STAT3

NFkB

-1760 AGCAGAAATTGCCCTACTTCTGAACCCTTCCTTGCCCTTGAGAGTTCATACCCAAGACCTCTTTTCCGAGTTCCTCCTA
-1680 TCCAAAGCCAAAGGAATAATTTGCTTCCTTTCCCTAACACCACCTCTTCCTCCCCAGCCACTTTCCCCACCCAGGCAAT

-1600 GGATTTCTCCAGTACCTAATTTCCCTATATGCACAATGCTGTCTCCACCCTCTCCCTGCCCCAGGGAGAATTAAAAAG

-1520 AAAAGATGACTAGATATTCCAGGAACCACTGGGTTCCTCAGAGCAAGGTGGGGTGGATGGTGGGAGCCAGGTGGGGATTCT

NFkB

-1440 CCCAGATTGATACTGGGTGAATCTGGGTTCCTGAGAGCAAGTCTTGCCATGCTGGGGGCTGGCTGACTTGAGGCTGGGG

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-1200 TAGTGGTAACTCAGGAAGGGGGATCCTGAGGGAGAGAAGGGACGTTAGAAAAGAGGAGGTGCCACCCTGGATCCGCCTTC

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-560 GTCCCATTTTTTTGGGAAGCGATGATACCCATCTGAGTCCCACCGACAGAGCTCAGCTGAGTGGCTTAGAGATCAGCC

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-240 AGGAAAGGAGGGCTCAGGAGGAGAGTTTGGAAGCCAGACCCCTGGGCACCTCTCCCAAGCCCAAGGACTAAGTTTTCT

-160 CCATTTCTTTAACGGTCCTCAGCCCTTCTGAAAACCTTGCCCTTGACCTTGGCAGGAGTCCAAGCCCCAGGCTACAGA

-80 GAGGAGCTTTCCAAAGCTAGGGTGTGGAGGACTTGGTGCCCTAGACGGCCTCAGTCCCTCCCAGCTGCAGTACCAAGTGCC

+1 ATG

SEQUENCE ID NO. 3

-1600 GGATTTCTCCAGTACCCTAATTTCCCTATATGCACAATGCTGTCTCCACCCTCTCCCTGCCCCAGGGAGAATTAAAAAG

-1520 AAAAGATGACTAGATATTCAGGAACCACTGGGTTCTCAGAGCAAGGTGGGGTGGATGGTGGGAGCCAGGTGGGGATTCT

NFkB

-1440 CCCAGATTGATACTGGGTGAATCTGGGTTCCCTGAGAGCAAGTCTTGCCATGCTGGGGGCTGGCTGACTTGAGGCTGGGG

-1360 GAGGGTTTAGGGCAGTTGGGAGTGGGTAGGAGCAGGGCCAAAAGCCTGGGGGAAGCTACTGGGAGCTGGGCCAGGGAAAT

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-640 GTTTGGGAAAAGGCTATGTCATCAGCTGGCCCAGTGCTATTATCCATTTCGGCTGCTAGAGATTCCCTCCCTGGGCAA

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-560 GTCCCATTTTTTTGGGAAGCGATGATACCCATCTGAGTCCCACCGACAGAGCTCAGCTGAGTGGCTTAGAGATCAGCC

-480 AATCAATCGCAGAGGCTCACCATGCTTAAAAGAGCTGGCGCGGAGAGAGGCTGGGGAGAACCACAGGGAGACCCACAGA

CCAAT

-400 CACATATGCACGAGAGAGACAGAGGAGGAAAGAGACAGAGACAAAGGCACAGCGGAAGAAGGCAGAGACAGGGCAGGCAC
-320 AGAAGCGGCCAGACAGAGTCCTACAGAGGGAGAGGCCAGAGAAGCTGCAGAAGACACAGGCAGGGAGAGACAAAGATCC
-240 AGGAAAGGAGGGCTCAGGAGGAGAGTTTGGAGAAGCCAGACCCCTGGGCACCTCTCCAAGCCCAAGGACTAAGTTTCT
-160 CCATTTCTTTAACGGTCCTCAGCCCTTCTGAAACTTTGCCTCTGACCTTGGCAGGAGTCCAAGCCCCAGGCTACAGA
-80 GAGGAGCTTTCCAAAGCTAGGGTGTGGAGGACTTGGTGCCCTAGACGGCCTCAGTCCCTCCCAGCTGCAGTACCAGTGCC
+1 ATG

SEQUENCE ID NO. 4

-1200 TAGTGGTAACTCAGGAAGGGGGATCCTGAGGGAGAGAAGGGACGTAGAAAAGAGGAGGTGCCACCCTGGATCCGCCTTC
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-1040 CCTTTGGGCAGTCAACTCCCTGATCACTGTCTCCTTGCCCTCCCAATGTTCTGCCTTTTTTACTCTTCCCAGCTGCTCA
CCAAT
-960 GTTCTATCCTGAGCCATGTCAAGCTACCTCTTTTATTTGTTCTTCCCTCTTGATGCCTCCTTACCTGTTCCCTACCCTCT
-880 TTTCTCAGGCAGCTCACTCAGTCCCTCAGCCCTTGGAACAGCCACTAGGGCCAAAGGGCAGCATGAGGGAGCCTTGAG
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-800 AAAAGAGAAGCCATGGTAGGTTAGACTATAAGAGCAGGAATTCTCCAGGACCGTGATCCTATCTGTGCATGCCGGCCAG
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c-krox
-560 GTCCCATTTTTTTGGGAAGCGATGATACCCATCTGAGTCCCACCGACAGAGCTCAGCTGAGTGGCTTAGAGATCAGCC
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-400 CACATATGCACGAGAGAGACAGAGGAGGAAAGAGACAGAGACAAAGGCACAGCGGAAGAAGGCAGAGACAGGGCAGGCAC
-320 AGAAGCGGCCAGACAGAGTCCTACAGAGGGAGAGGCCAGAGAAGCTGCAGAAGACACAGGCAGGGAGAGACAAAGATCC

-240 AGGAAAGGAGGGCTCAGGAGGAGAGTTTGGAGAAGCCAGACCCCTGGGCACCTCTCCCAAGCCCAAGGACTAAGTTTCT
-160 CCATTTTCCTTTAACGGTCCTCAGCCCTTCTGAAAACCTTGCCTCTGACCTTGGCAGGAGTCCAAGCCCCAGGCTACAGA
-80 GAGGAGCTTTCCAAAGCTAGGGTGTGGAGGACTTGGTGCCCTAGACGGCCTCAGTCCCTCCCAGCTGCAGTACCAGTGCC
+1 ATG

SEQUENCE ID NO. 5

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c-krox
-560 GTCCCATTTTGGGAAGCGATGATACCCCATCTGAGTCCACCGACAGAGCTCAGCTGAGTGGCTTAGAGATCAGCC
-480 AATCAATCGCAGAGGCTCACCATGCTTAAAGAGCTGGCGCGGAGAGAGGCTGGGGAGAACCCACAGGGAGACCCACAGA
CCAAT
-400 CACATATGCACGAGAGAGACAGAGGAGGAAAGAGACAGAGACAAAGGCACAGCGGAAGAAGGCAGAGACAGGGCAGGCAC
-320 AGAAGCGGCCAGACAGAGTCTACAGAGGGAGAGGCCAGAGAAGCTGCAGAAGACACAGGCAGGGAGAGACAAAGATCC
-240 AGGAAAGGAGGGCTCAGGAGGAGAGTTTGGAGAAGCCAGACCCCTGGGCACCTCTCCCAAGCCCAAGGACTAAGTTTCT
-160 CCATTTTCCTTTAACGGTCCTCAGCCCTTCTGAAAACCTTGCCTCTGACCTTGGCAGGAGTCCAAGCCCCAGGCTACAGA
-80 GAGGAGCTTTCCAAAGCTAGGGTGTGGAGGACTTGGTGCCCTAGACGGCCTCAGTCCCTCCCAGCTGCAGTACCAGTGCC
+1 ATG

SEQUENCE ID NO. 6

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-240 AGGAAAGGAGGGCTCAGGAGGAGAGTTTGGAGAAGCCAGACCCCTGGGCACCTCTCCCAAGCCCAAGGACTAAGTTTCT
-160 CCATTTTCCTTTAACGGTCCTCAGCCCTTCTGAAAACCTTGCCTCTGACCTTGGCAGGAGTCCAAGCCCCAGGCTACAGA
-80 GAGGAGCTTTCCAAAGCTAGGGTGTGGAGGACTTGGTGCCCTAGACGGCCTCAGTCCCTCCCAGCTGCAGTACCAGTGCC

+1 ATG